Level 2 millimol Chemical Reactions need moles? Name:\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Equations to balance:

a)\_\_\_\_\_\_F2(g) + \_\_\_\_\_\_H2(l) 🡪 \_\_\_\_\_\_HF(aq) +\_\_\_\_\_\_O3(g)

b)\_\_\_\_\_ (NH4)2CO3(aq) 🡪\_\_\_\_\_\_ NH3(aq) + \_\_\_\_\_\_CO2(g) +\_\_\_\_\_\_ H2O(l)

c)\_\_\_\_\_\_ Mg(s) +\_\_\_\_\_\_ P4(s) 🡪\_\_\_\_\_\_ Mg3P2(s)

d)\_\_\_\_\_\_ Rb(s) +\_\_\_\_\_\_ S8(s) 🡪\_\_\_\_\_\_ Rb2S(s)

e)\_\_\_\_\_ NH4OH(aq) +\_\_\_\_\_\_ H3PO4(aq) 🡪\_\_\_\_\_\_ (NH4)3PO4(aq) +\_\_\_\_\_\_ H2O(l)

f)\_\_\_\_\_\_ CH3CH2CH2CH3(l) +\_\_\_\_\_\_ O2(g) 🡪\_\_\_\_\_\_ CO2(g) +\_\_\_\_\_\_ H2O(g)

g)\_\_\_\_\_\_ FeS2(s) +\_\_\_\_\_\_ O2(g) 🡪\_\_\_\_\_\_ Fe2O3 (s) +\_\_\_\_\_\_ SO2(g)

h)\_\_\_\_\_\_ Rb(s) +\_\_\_\_\_\_ RbNO3 (aq) 🡪\_\_\_\_\_\_ Rb2O(s) +\_\_\_\_\_\_ N2(g)